

Recombinant Human PDE6B 293 Cell Lysate

Cat. No. PDE6B-3346HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for phosphodiesterase 6B, cGMP-specific, rod, beta (PDE6B), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

PDE6B phosphodiesterase 6B, cGMP-specific, rod, beta [Homo sapiens]

Official Symbol

PDE6B

Synonyms

PDE6B; phosphodiesterase 6B, cGMP-specific, rod, beta; PDEB; rod cGMP-specific 3,5-cyclic phosphodiesterase subunit beta; congenital stationary night blindness 3; autosomal dominant; CSNB3; rd1; RP40; GMP-PDE beta; rod cGMP-phosphodiesterase beta-subunit; CSNBAD2;

Gene ID

5158

mRNA Refseq

NM_000283

Protein Refseq

NP_000274

MIM

180072

UniProt ID

P35913

Chromosome Location

4p16.3

Pathway

Hemostasis, organism-specific biosystem; Nitric oxide stimulates guanylate cyclase, organism-specific biosystem; Phototransduction, organism-specific biosystem; Phototransduction, conserved biosystem; Platelet homeostasis, organism-specific

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biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem;

Function

3,5-cyclic-GMP phosphodiesterase activity; hydrolase activity; metal ion binding; phosphoric diester hydrolase activity;

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